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## ABSTRACT

The present invention provides an electrolytic capacitor having a large capacitance sufficiently close to its design capacitance, and a method of easily producing such an

5 electrolytic capacitor. In this method, a cathode-side conductive polymer layer or a electrolyzing electrode is formed on at least one side surface of an anode valve metal foil having through holes 20 and a coarsened surface, electrolysis is carried out in a conductive monomer

10 solution, with the polymer layer used as the anode, and an electrolytically-formed conductive polymer layer is formed on the surface of the dielectric oxide film of the valve metal foil, thereby obtaining an electrolytic capacitor. As a result, it is possible to easily obtain an

15 electrolytic capacitor having a large capacitance sufficiently close to its design capacitance.